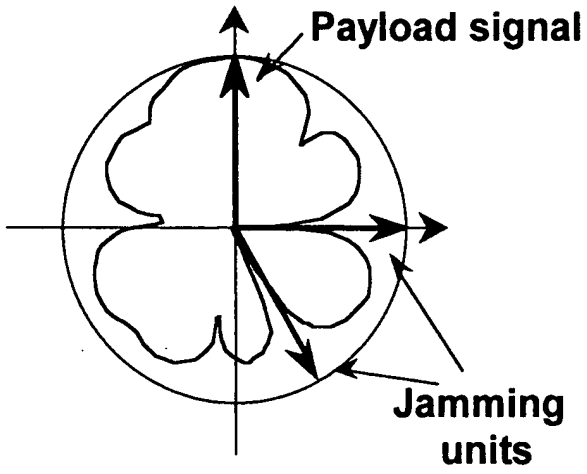
Payload signal
Jamming units

FIG.1

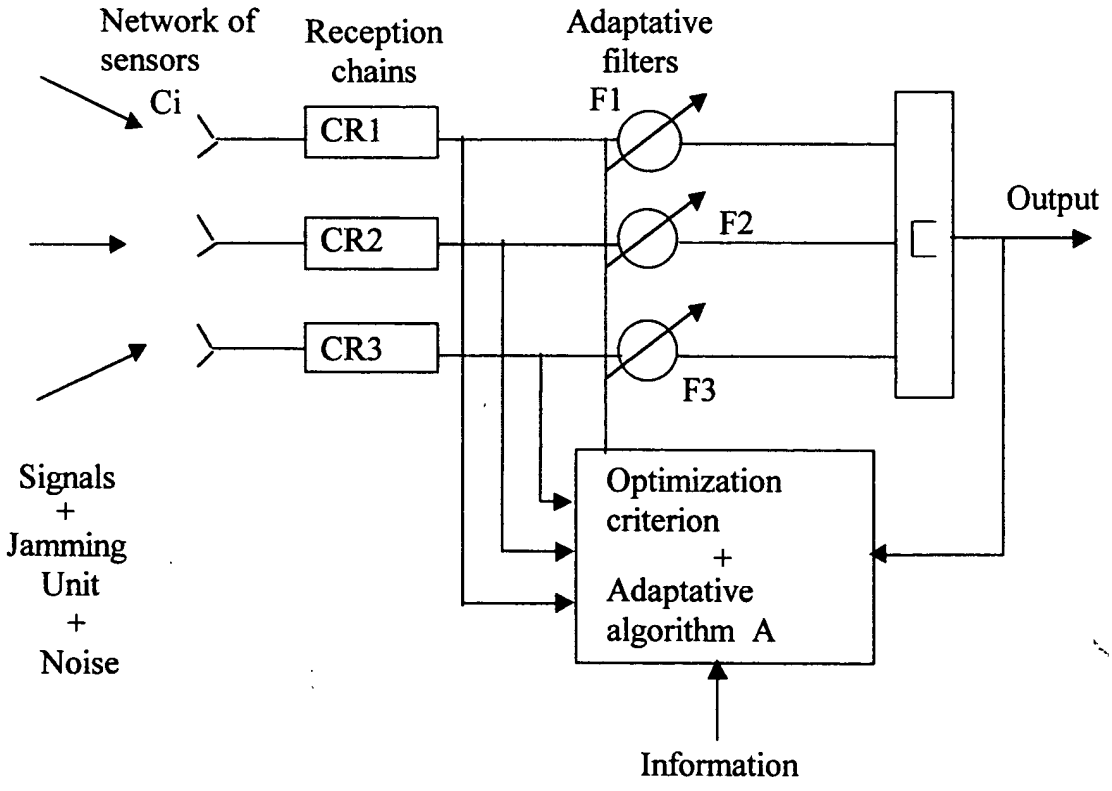
Network of sensors
Ci
Reception chains
Adaptative filters
F1
CR1
CR2
CR3
F2
F3
Output
Signals + Jamming Unit + Noise
Optimization criterion + Adaptative algorithm A
Information

FIG.2

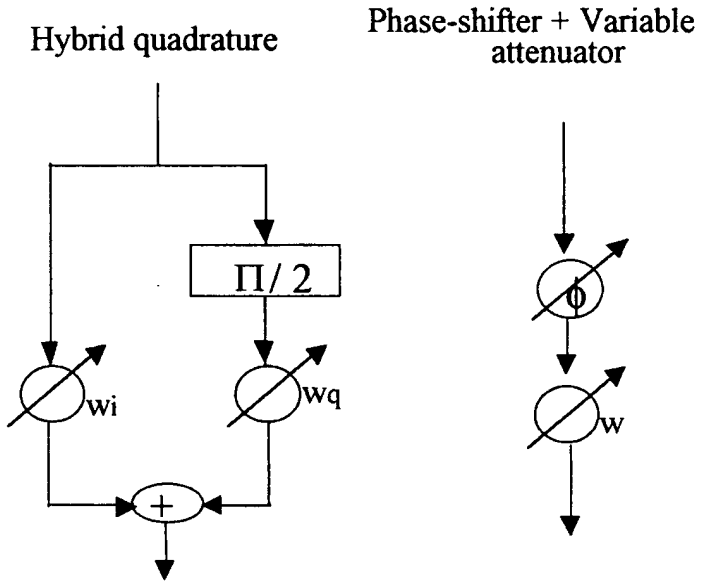
Hybrid quadrature
Phase-shifter + Variable attenuator
Π/ 2
wi
wq
Φ
w

FIG.3

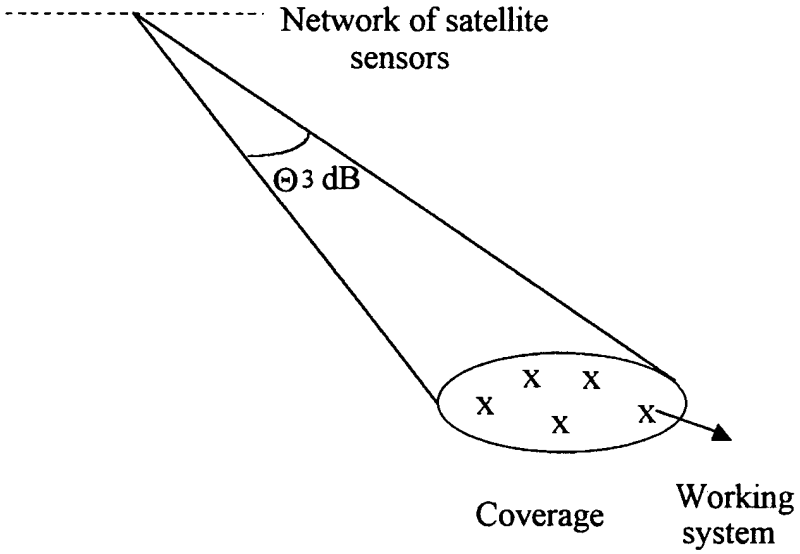
Network of satellite sensors
Θ3 dB
Coverage
Working system

FIG.4

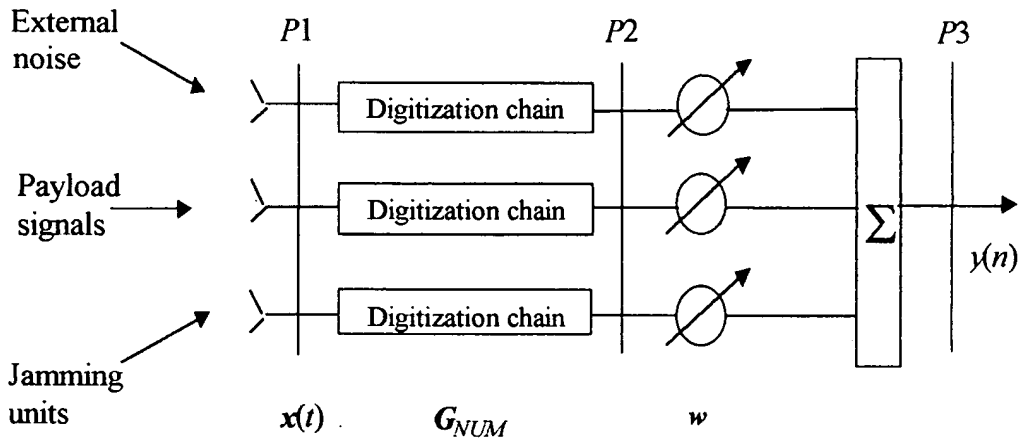
External noise
Payload signals
Jamming units
P1
P2
P3
Digitization chain
Digitization chain
Digitization chain
Σ
y(n)
x(t)
G_{NUM}
w

FIG.5

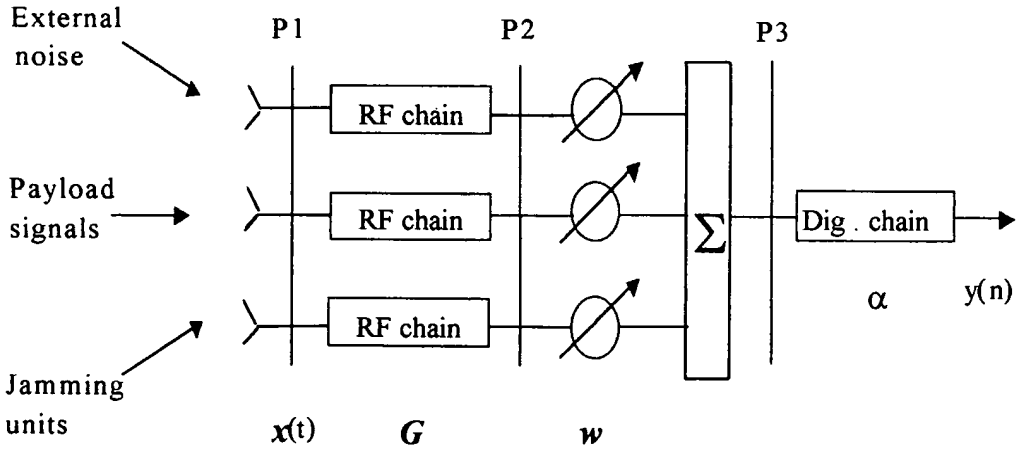
External noise
Payload signals
Jamming units
P1
P2
P3
RF chain
RF chain
RF chain
Σ
Dig . chain
α
y(n)
x(t)
G
w

FIG.6

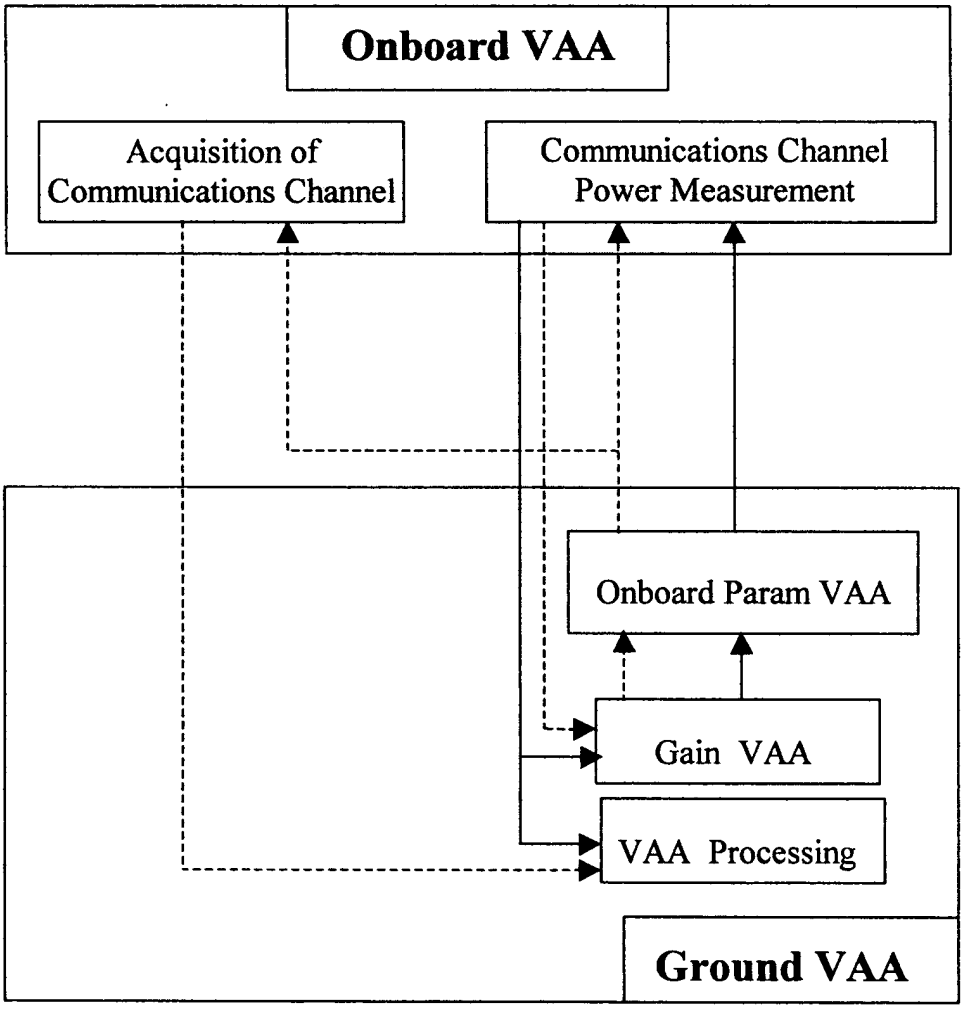
Onboard VAA
Acquisition of Communications Channel
Communications Channel Power Measurement
Onboard Param VAA
Gain VAA
VAA Processing
Ground VAA

FIG.7